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COUNTRY	East Germany	DATE DICTO E E	-
SUBJECT	Research on Coronic Turbine Blades at the	DATE DISTR. 5 June 1 NO OF PAGES 2	1953
PLACE	Mescho Flant, Herradori	NO. OF PAGES 2	İ
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2. In 1 and that	only one or two of the specialists who had presented were still available, and they had worked field. ate 1951 or early 1952, the Hescho Plant was informated by the Central Russian Patent Department of the Ministers had ordered the resumption of the development es.	ed in some subordi- ed by S. Fomenko Administration in Germany	
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In 1 and that in M blad The profession of the plan of	ate 1951 or early 1952, the Hescho Plant was informated and Frederick Trofimov of the Soviet Military the Central Russian Fatent Department of the Ministers where the resumption of the development es. Troduction chief of the plant was Krahl (fmu). Chief and Dr Bahlke (fnu) who, at that time, was technically supervised research activities in the field of cere are specialists who had previously worked in this field and the research order referred to in Par and Chief Engineer Drechsler received an order to procedure for ceramic raterials for turbine blades reclain which, at a small coefficient of expansion, degree of strain and would be of a high molecular standed wedge connections for the blades in the ceramicer that the unit revolve at the maximum speeds reached the predict of the project of the ceramic blades were to be used for turbe engineer for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for the produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for the produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for the produced for parts which, otherwise, would have to be produced for the produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for the parts of th	ed in some subordi- ed by S. Fomenko Administration in Germany try of the Interior of ceramic turbine Engineer Drechsler al director at the amic blades. Some ld were deported to a similar project. agraph 2, Kamell develop a produc- of a high thermal ect was to find would withstand a trength. It was a center and the ic turbine disc, ched by gas tur- mes for sircraft	25
2. In 1 and that in M blad The profession of the plann o	ate 1951 or early 1952, the Hescho Plant was informated and Frederick Trofimov of the Soviet Military the Central Russian Fatent Department of the Ministers where the resumption of the development es. Troduction chief of the plant was Krahl (fmu). Chief and Dr Bahlke (fnu) who, at that time, was technically supervised research activities in the field of cere are specialists who had previously worked in this field and the research order referred to in Par and Chief Engineer Drechsler received an order to procedure for ceramic raterials for turbine blades reclain which, at a small coefficient of expansion, degree of strain and would be of a high molecular standed wedge connections for the blades in the ceramicer that the unit revolve at the maximum speeds reached the predict of the project of the ceramic blades were to be used for turbe engineer for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for the produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for the produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for the produced for parts which, otherwise, would have to be produced for the produced for parts which, otherwise, would have to be produced for parts which, otherwise, would have to be produced for the parts of th	ed in some subordi- ed by S. Fomenko Administration in Germany try of the Interior of ceramic turbine Engineer Drechsler sal director at the amic blades. Some ld were deported to a similar project. 2 agraph 2, Kamell develop a produc- of a high thermal ect was to find would withstand a trength. It was a center and the ic turbine disc, ched by gas tur- mes for sirer. It rials were to be and of high quali-	25

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course of the highly former in the	Be-
cause of the highly increased speed of modern quently, because of the increased centrifugal	gas turbines and, conse- force which had been achieved since
1944, it was requested that not only the mate	erial of the blade roots, but
also the fastening be able to withstand excess resisting capacity of the material would be designed.	ssive bending strain. The heat
no satisfactory solution to this problem and	no constructive arrangements
had been found. the former had been extremely advantageous, and the	r cooperation with the MAN Flant
equivalent partner in East Germany to work on	the mechanical problems in this
field. All studies were, therefore, translate	ed into Russian and forwarded to
the plant near Moscow, mentioned above, to be which required both time and money.	e checked and tested, a procedure
The Headne Flant was engaged in the developme and took only a minor part in production. Only	ont of ceramic turbine blades
done in the kilns. However, should the basic	problem of producing such
blades be solved, the plant would immediately put because available edge mills and kilns we	/ be capable of a large out- ere not fully utilized. No
difficulties were expected in the supply of s	spare parts. Machine tools
were available and the plant had facilities a duction of the required parts.	ind personnel for the pro-
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Comment: M.A.N Maschinenfabri	ik Augsburg-Nuernberg A. G. 25.
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	t is assumed that Plant No 25)
156 in loscow is working in this field.	

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